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DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)		Attorney Docket Number	710101-1200
<input checked="" type="checkbox"/> Declaration Submitted with Initial Filing	<input type="checkbox"/> OR	First Named Inventor	Polk, et al.
COMPLETE IF KNOWN			
Application Number			
Filing Date			
Group Art Unit			
Examiner Name			

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SYSTEM AND METHOD FOR INTERLEAVING AND TRANSMITTING FORWARD ERROR CORRECTION CODE WORDS

(Title of the Invention)

the specification of which

 is attached hereto
OR was filed on (MM/DD/YYYY) as United States Application Number or PCT InternationalApplication Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

DECLARATION - Utility or Design Patent Application

Direct all correspondence to: Customer Number  OR Correspondence address below
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24504

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State

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Country

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
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Given Name (first and middle [if any])	Charles E.	Family Name or Surname	Polk, Jr.
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Inventor's Signature	<i>Charles E. Polk, Jr.</i>	Date 7-21-03
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Residence: City Athens	State AL	Country US	Citizenship US
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Mailing Address	612 Box Street
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Mailing Address	612 Box Street
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City Athens	State AL	Zip 35611	Country US
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NAME OF SECOND INVENTOR:	<input type="checkbox"/> A petition has been filed for this unsigned inventor
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Given Name (first and middle [if any])	Darrin L.	Family Name or Surname	Gieger
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Inventor's Signature	<i>Darrin L. Gieger</i>	Date 7-21-03
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Residence: City Hampton Cove	State AL	Country US	Citizenship US
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Mailing Address	2811 Willowick Trail
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Mailing Address	2811 Willowick Trail
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City Hampton Cove	State AL	Zip 35763	Country US
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Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box→

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**POWER OF
ATTORNEY OR
AUTHORIZATION
OF AGENT**

Application Number	
Filing Date	
First Named Inventor	Polk, et al.
Title	System and Method for Interleaving and Transmitting Forward Error Correction Code Words
Group Art Unit	
Examiner Name	
Attorney Docket Number	710101-1200

I hereby appoint:



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Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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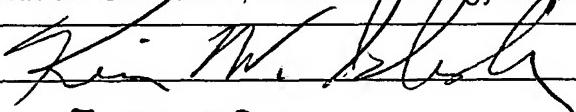


Applicant/Inventor.



Assignee of record of the entire interest. See 37 CFR 3.71
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Kevin W. Schneider, Chief Technology Officer, ADTRAN, Inc.
Signature	
Date	7-21-03

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.



*Total of 1 forms are submitted.

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**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

Name

Address

Charles E. Polk, Jr.
Darrin L. Gieger

612 Box Street, Athens, AL, 35611
2811 Willowick Trail, Hampton Cove, AL, 35763

hereinafter referred to as ASSIGNEE, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**SYSTEM AND METHOD FOR INTERLEAVING AND TRANSMITTING FORWARD
ERROR CORRECTION CODE WORDS,**

which was:

- executed on even date herewith,
- filed with the United States Patent and Trademark Office (USPTO) on _____, and assigned Serial No. _____, and
- further described in U.S. Provisional application entitled _____, filed with the USPTO on _____, and assigned Serial No. _____.

WHEREAS, ADTRAN, Inc., having a place of business at 901 Explorer Blvd, Huntsville, Alabama, 35806, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNEE'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNEE, ASSIGNEE has sold, assigned and transferred and does hereby sell, assign and

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07/24/03



transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

Docket No. 710101-1200
Page 3 of 4
(Patent Assignment)

Charles E. Polk, Jr.

Charles E. Polk, Jr.

Date: 7-21-03

United States of America

State of Alabama

County of Madison

On this 21st day of July, 2003, before me personally came **Charles E. Polk, Jr.** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

Maeche J. Goss
Notary Public

April 2, 2006
My Commission Expires (Date)

Docket No. 710101-1200
Page 4 of 4
(Patent Assignment)

Darrin L. Gieger
Darrin L. Gieger

Date: 7-23-03

United States of America

State of Alabama

County of Madison

On this 21st day of July, 2003, before me personally came **Darrin L. Gieger** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

Marsha J. Bass
Notary Public

April 2, 2006
My Commission Expires (Date)